



FIRE DEPARTMENT

8812 Elk Grove Blvd.
Elk Grove, CA 95624

(916) 405-7100
Fax (916) 685-6622
www.egcsd.ca.gov

ELK GROVE COMMUNITY SERVICES DISTRICT FIRE DEPARTMENT Standard COMMERCIAL Civil Engineering Comments

1. Approved plans signed by all agencies shall be located at the job site. Plans shall be approved prior to any construction.
2. All required roadways, street signs, addresses, water mains, fire hydrants designated for a project shall be installed and able to provide the required fire flow **prior** to any combustible storage or construction.
3. Commercial projects shall be capable of providing a minimum of 3000 gallons per minute (gpm) at 20 psi residual pressure with a static pressure of 50 psi.
4. Manufacturer's specification sheets shall be provided to the fire inspector for review and approval prior to the underground hydrostatic test for underground pipe, fittings, valves and other fire protection appurtenances.
5. A fire department inspection is required for all fire protection equipment, including but not limited to, underground piping, thrust blocks (in place) and other restraining systems, hydrostatic testing, flushing of fire service line, conduit for PIV tamper switch, and tracer wire.
6. Fire service lines for all fire suppression systems shall not pass through a building / structure footing without prior approval from the Elk Grove Community Services District Fire Department (EGCSDFD) and the engineer of record.
7. Fire access road requirements are as follows: The slope of access roadways shall not exceed 10% for asphalt and 5% for concrete. The roadways shall be constructed to a 20 foot minimum width having a turning radius of 25 feet inside and 50 feet outside with a minimum of 3 inches of AC over 6 inches of AB and shall have good drainage. In addition, roadways shall be able to support 65,000 pounds gross vehicle weight (GVW) and shall have a compaction of 95%.
8. All new commercial buildings in excess of 10,000 square feet of floor area shall provide two separate points of fire department access that meet the standards of the EGCSDFD. Separate points of access shall be located at a minimum of 500 feet apart and be in place prior to combustible construction. In addition, commercial buildings in excess of 10,000 square feet shall provide two separate points of connection to the public water system.
9. The installation of on-site or off-site fire protection equipment including fire hydrants, water mains and underground piping installations shall meet the requirements and specifications of the EGCSDFD and the water purveyor having jurisdiction. Both the fire department and the water purveyor shall be notified 48 hours in advance of any shut down or interruption of normal service to fire hydrants or fire sprinklered buildings. Deviations from approved standards and the approved plans shall require written approval from EGCSDFD **prior to** installation.
10. All required traffic signaling installations erected or modified by this development shall be provided with traffic pre-emption devices of a type approved by EGCSDFD. These devices shall be installed and functioning prior to occupancy and at no cost to EGCSDFD. These devices shall be clearly designated on the civil plans.
11. The installation of roadway gates, addresses, landscaping, pipe bollards, fuel tanks, masonry sound walls, tree wells, and/or all other traffic calming devices is subject to the standards of the EGCSDFD. All proposed traffic-mitigation plans shall be submitted to the EGCSDFD for review and approval prior to installation. All gates obstructing fire lanes or roadways shall comply with Appendix VII of the 2002 Sacramento County Fire Code.
12. Hydrants shall be Clow 960 factory-painted **white**. Hydrants shall be installed with the lowest valve stem 20 inches above finished grade. Flange bolts shall be accessible for servicing. The 4-½ inch pumper connection shall be a maximum of two (2) feet behind the finished walk or clearance from fire protection equipment. The 4 ½ inch pumper connection shall face the fire lane or roadway as designated by the fire inspector.



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13. Fire department connections and post indicator valves shall be painted red with the building address stenciled in white and equipped with a breakaway padlock.
14. "No Parking-Fire Lane" signs and/or red painted curbs shall be installed as per EGCSDFD guidelines. All raised curbs in "No Parking" areas shall be painted RED with acceptable red curb paint. Lettering shall be 3" high, white and have a 3/4" stroke. Markings shall be located every 50 feet.
15. Landscaping shall conform to the EGCSDFD written guidelines. All landscaping shall provide a minimum of 3 feet of clearance (when fully grown) from fire protection equipment.
16. When required, vehicle barriers shall be installed for the protection of fire department equipment. Barriers consist of a minimum of 4" pipe, concrete filled, three feet tall and three feet deep from finished grade and a minimum of three feet away from all fire protection equipment spaced a maximum of 4 feet apart from each other.
17. All street name signs shall be provided at the time roadways are surfaced.
18. All addresses shall be posted at the project site at the time construction begins.
19. Construction equipment, including portable restrooms, building materials, worker vehicles, delivery vehicles and the like shall not obstruct fire hydrants or the fire lane at any time.
20. The wetlands/riparian corridors of creeks create an unusual fire hazard and challenge to emergency responders. The following requirements apply to your project and shall be designated on the civil plans:
 - Provide non-combustible fences along all developed areas adjacent to wetlands, creeks or open spaces.
 - Provide access to all wetland corridors at the end of cul-de-sacs via rolled curbs and gates with pipe bollards. Bike lanes adjacent to creeks shall be a minimum of 10 feet wide with a turning radius of not less than 35 feet inside and 45 feet outside diameters.
 - Any bridges over creeks or wetland areas shall be capable of supporting 65,000 GVW.
 - Provide a least ten (10) feet of greenbelt or other defensible space between non-combustible fences and the creek/wetlands area.

REQUIRED SUBMITTALS: include but are not limited to:

- Traffic pre-emption devices
- Any and all traffic calming devices
- Any and all gates crossing roadways, driveways, fire lanes or the like
- Roadway medians
- Address changes
- Plan changes
- Fuel tanks
- Masonry sound walls
- Tree wells, parking changes and other roadway changes